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**Date:** 11/15/06  
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| Type  | L # | Hits | Search Text   | DBs                    | Time Stamp          | Comments |
|-------|-----|------|---|------------------------|---------------------|----------|
| 1 BRS | L1  | 496  | ((match\$3 or similarit\$3)<br>near3 object\$1) same<br>((similar\$5 or match\$4)<br>near3 image\$1) same<br>(attribute\$1 or<br>characteristic\$1 or<br>parameter\$1 or size\$1 or<br>color\$1 or name\$1) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>08:49 |          |
| 2 BRS | L2  | 176  | 1 same (object\$1 near2<br>(attribute\$1 or<br>characteristic\$1 or<br>parameter\$1 or size\$1 or<br>color\$1 or name\$1))  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:06 |          |
| 3 BRS | L3  | 39   | 2 same (location\$1 or<br>position\$3)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:10 |          |
| 4 BRS | L4  | 90   | (similarit\$3 near3 between<br>near3 object\$1) same<br>(similar\$5 near3 between<br>near3 image\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:11 |          |
| 5 BRS | L6  | 2    | 5 same (evaluat\$4 or<br>judg\$6)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:12 |          |
| 6 BRS | L5  | 35   | 4 same (parameter\$1 or<br>attribute\$1 or color or<br>size or name\$1 or<br>keyword\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:38 |          |
| 7 BRS | L7  | 702  | (content near3 retriev\$3<br>near6 image\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:39 |          |

|    | Type | L # | Hits | Search Text   | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|---|------------------------|---------------------|----------|
| 8  | BRS  | L8  | 119  | 7 same similarit\$3   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:39 |          |
| 9  | BRS  | L9  | 65   | 8 same (object\$1 or<br>characteristic\$1 or<br>attribute\$1 or person or<br>sky or tree)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:40 |          |
| 10 | BRS  | L10 | 87   | 8 same (object\$1 or<br>characteristic\$1 or<br>attribute\$1 or person or<br>sky or tree or color\$1)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:40 |          |
| 11 | BRS  | L11 | 19   | 10 same (similar\$5 near5<br>between near5 image\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:49 |          |
| 12 | BRS  | L12 | 3    | 11 same (attach\$5 or<br>associat\$3 or tag\$5)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:41 |          |
| 13 | BRS  | L13 | 3    | 11 same (attach\$5 or<br>associat\$3 or tag\$5)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:41 |          |
| 14 | BRS  | L14 | 82   | (similarit\$5 near5 object\$1<br>near5 image\$1 near10<br>(characteristic\$1 or<br>color\$1 or colour or size\$1<br>or attribute\$1 or<br>position\$3)) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:58 |          |
| 15 | BRS  | L15 | 9    | 14 same retriev\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:54 |          |

| Type   | L # | Hits | Search Text  | DBs                    | Time Stamp          | Comments |
|--------|-----|------|--|------------------------|---------------------|----------|
| 16 BRS | L16 | 12   | ((determin\$5 or calculat\$4 or comput\$3) near\$3 similarit\$3 near\$5 object\$1 near\$5 (characteristic\$1 or attribute\$1 or color\$1 or shape\$1 or texture\$1 or size\$1)) same (similarit\$3 near\$5 image\$1) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:56 |          |
| 17 BRS | L17 | 2    | 16 and name\$1   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:57 |          |
| 18 BRS | L18 | 38   | (extract\$4 near\$3 objects) same similarit\$3 same (characteristic\$1 or color\$1 or size\$1 or name\$1 or attribute\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:58 |          |
| 19 BRS | L19 | 25   | 18 same image\$1   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>09:58 |          |
| 20 BRS | L20 | 0    | 2 same (preprocess\$3 or pre-process\$3)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:06 |          |
| 21 BRS | L21 | 3    | 18 same name\$1  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:10 |          |
| 22 BRS | L22 | 83   | (similarit\$3 near\$2 objects near\$10 (characteristic\$1 or name\$1 or position\$3 or size\$1 or attribute\$1))   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:12 |          |

|    | Type | L # | Hits | Search Text  | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|--|------------------------|---------------------|----------|
| 23 | BRS  | L23 | 3    | 22 same (similarit\$4 near2 image\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:17 |          |
| 24 | BRS  | L24 | 18   | 2 same (image\$1 near3 classif\$6)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:19 |          |
| 25 | BRS  | L25 | 4    | (object\$1 near3 similarit\$3) same (image\$1 near3 classif\$6) same (characteristic\$1 or name\$1 or size\$1 or attribute\$1 or color\$1) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:25 |          |
| 26 | BRS  | L26 | 13   | (evaluut\$5 near10 object\$1 near3 similarit\$3) same image\$1 same (characteristic\$1 or name\$1 or size\$1 or attribute\$1 or color\$1)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:30 |          |
| 27 | BRS  | L27 | 28   | ((based or result\$1) near6 (object\$1 near3 similarit\$3)) same (similar\$5 near3 image\$1)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:41 |          |
| 28 | BRS  | L28 | 12   | (image\$1 near3 evaluat\$4) same (object\$1 near3 evaluat\$4) same similarit\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:46 |          |
| 29 | BRS  | L29 | 4    | 2 same metadata  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:53 |          |

|    | Type | L # | Hits | Search Text   | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|---|------------------------|---------------------|----------|
| 30 | BRS  | L30 | 1    | 29 and name\$1  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:53 |          |
| 31 | BRS  | L31 | 894  | object\$1 near2 similarit\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:54 |          |
| 32 | BRS  | L32 | 6    | (object\$1 near2<br>similarit\$3) same name\$1<br>same (image\$1 near5<br>similarit\$3)                               | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>10:57 |          |
| 33 | BRS  | L33 | 33   | similarit\$3 same sky same<br>(color\$1 or blue) same<br>image\$1   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:06 |          |
| 34 | BRS  | L34 | 0    | (sky near10 mountain\$1) and<br>(similarit\$3 near3<br>object\$1) and (image\$1<br>near3 similarit\$3) and<br>name\$1 | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:07 |          |
| 35 | BRS  | L35 | 9    | 2 and sky   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:09 |          |
| 36 | IS&R | L36 | 4450 | (382/159,181,190,195,209,21<br>7,224,305).CCLS.   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:11 |          |
| 37 | IS&R | L37 | 7467 | (707/3).CCLS.   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:12 |          |
| 38 | BRS  | L38 | 36   | 2 and 36  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:12 |          |

|    | Type | L # | Hits | Search Text  | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|--|------------------------|---------------------|----------|
| 39 | BRS  | L39 | 4    | 2 and 37   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:12 |          |
| 40 | BRS  | L40 | 150  | (object\$1 near3 name\$1) and<br>(object\$1 near3<br>similarit\$3) and retriev\$3      | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:22 |          |
| 41 | BRS  | L41 | 2    | 2 and 40   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:16 |          |
| 42 | BRS  | L42 | 16   | 40 and (image\$1 near3<br>similarit\$3)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:19 |          |
| 43 | BRS  | L43 | 24   | 1 and (self-organiz\$3 or<br>selforganizing)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:25 |          |
| 44 | BRS  | L44 | 0    | (object\$1 near3 name\$1)<br>same classif\$6 same<br>(object\$1 near3<br>similarit\$3) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:22 |          |
| 45 | BRS  | L45 | 3    | (name\$1 near3 object\$1)<br>same (self-organiz\$3 or<br>selforganizing)               | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:45 |          |
| 46 | BRS  | L46 | 279  | content adj based adj image<br>adj retriev\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:46 |          |
| 47 | BRS  | L47 | 25   | 46 and (object\$1 near3<br>(name\$1 or descriptor\$1))                                 | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:46 |          |
| 48 | BRS  | L48 | 23   | 47 and similarit\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:46 |          |

|    | Type | L # | Hits | Search Text   | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|---|------------------------|---------------------|----------|
| 49 | BRS  | L49 | 15   | 48 and classif\$6   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:50 |          |
| 50 | BRS  | L50 | 33   | metadata same similarit\$3<br>same object\$1 same image\$1          | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:51 |          |
| 51 | BRS  | L51 | 20   | 50 same (characteristic\$1<br>or name\$1 or color\$1 or<br>size\$1) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:51 |          |
| 52 | BRS  | L53 | 2    | 37 and 51   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:51 |          |
| 53 | BRS  | L52 | 7    | 36 and 51   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>11:53 |          |
| 54 | BRS  | L54 | 2    | (metadata near\$3<br>similarit\$3) same retriev\$3<br>same imag\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>13:54 |          |
| 55 | BRS  | L55 | 6    | 46 and mariam   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>13:59 |          |
| 56 | BRS  | L56 | 3    | (self-organizing near\$2 map)<br>and mariam                         | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:04 |          |
| 57 | BRS  | L57 | 510  | semantic\$5 same retriev\$3<br>same similar\$5                      | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:05 |          |
| 58 | BRS  | L58 | 1    | 57 and mariam   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:04 |          |



|    | Type | L # | Hits | Search Text   | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|---|------------------------|---------------------|----------|
| 59 | BRS  | L59 | 1240 | (similar\$5 same image\$1)<br>and (blue near\$3 sky)                            | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:06 |          |
| 60 | BRS  | L60 | 26   | 59 and (object\$1 near\$3<br>name\$1)   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:06 |          |
| 61 | BRS  | L61 | 19   | 60 and (object\$1 near\$10<br>similar\$5)                                       | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:07 |          |
| 62 | BRS  | L62 | 192  | similar\$5 same (object\$1<br>near\$3 descriptor\$1)                            | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:08 |          |
| 63 | BRS  | L63 | 48   | 62 same image\$1  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:08 |          |
| 64 | BRS  | L64 | 19   | 63 same (search\$4 or<br>retriev\$4)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:16 |          |
| 65 | BRS  | L65 | 72   | (extract\$4 near\$5 metadata)<br>same (similar\$5 or match\$4)<br>same image\$1 | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:17 |          |
| 66 | BRS  | L66 | 12   | 65 same similarit\$3  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:19 |          |
| 67 | BRS  | L67 | 534  | name\$1 same object\$1 same<br>similar\$5 same image\$1                         | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:24 |          |
| 68 | BRS  | L68 | 104  | 67 and metadata   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:25 |          |

|    | Type | L # | Hits | Search Text  | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|--|------------------------|---------------------|----------|
| 69 | BRS  | L69 | 7    | 36 and 68  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:26 |          |
| 70 | BRS  | L70 | 4    | 37 and 68  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:27 |          |
| 71 | BRS  | L71 | 566  | evaluat\$5 same (object\$1<br>near3 similar\$5)  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:28 |          |
| 72 | BRS  | L72 | 90   | 71 same image\$1   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:28 |          |
| 73 | BRS  | L73 | 3    | 72 and mariam  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:29 |          |
| 74 | BRS  | L74 | 2082 | (object\$1 near3 (similar\$5<br>or match\$3)) same (image\$1<br>near3 (similar\$5 or<br>match\$3)) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:30 |          |
| 75 | BRS  | L75 | 48   | 74 same evaluat\$4   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:30 |          |
| 76 | BRS  | L76 | 9    | 75 same (color\$1 or<br>colour\$1 or<br>characteristic\$1 or<br>attribute\$1)                      | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:32 |          |
| 77 | BRS  | L77 | 187  | ((three near1 dimension\$3)<br>or (3d near2 image\$1))<br>near5 search\$3) same<br>similar\$5      | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>14:33 |          |

|    | Type | L # | Hits | Search Text   | DBs             | Time Stamp       | Comments |
|----|------|-----|------|---|-----------------|------------------|----------|
| 78 | BRS  | L78 | 61   | 77 same (shape\$1 or color\$1 or size\$1 or characteristic\$1)                                    | US-PGPUB; USPAT | 2006/11/15 14:34 |          |
| 79 | BRS  | L79 | 25   | 78 same similarit\$3  | US-PGPUB; USPAT | 2006/11/15 15:20 |          |
| 80 | BRS  | L80 | 169  | similarity with characteristic\$1 with object\$1 with object\$1                                   | US-PGPUB; USPAT | 2006/11/15 15:23 |          |
| 81 | BRS  | L81 | 5    | 80 same ((evaluat\$4 or judg\$5 or discriminat\$4) near\$5 similarit\$3 near\$5 image\$1)         | US-PGPUB; USPAT | 2006/11/15 15:48 |          |
| 82 | BRS  | L82 | 2525 | (similar\$5 or resemblance or likelihood or match\$3) same object\$1 same extract\$4 same imag\$3 | US-PGPUB; USPAT | 2006/11/15 15:54 |          |
| 83 | BRS  | L83 | 194  | 82 same characteristic  | US-PGPUB; USPAT | 2006/11/15 15:54 |          |
| 84 | BRS  | L84 | 37   | 83 same (object\$1 near\$3 (similarit\$5 or resemblance\$1 or match\$3 or likelihood))            | US-PGPUB; USPAT | 2006/11/15 16:53 |          |
| 85 | BRS  | L85 | 11   | 36 and 84   | US-PGPUB; USPAT | 2006/11/15 16:09 |          |

|    | Type | L # | Hits | Search Text  | DBs                    | Time Stamp          | Comments |
|----|------|-----|------|--|------------------------|---------------------|----------|
| 86 | BRS  | L86 | 11   | ((similarity or matching)<br>near3 value\$1 near5 images)<br>same (people or person\$2 or<br>animal\$1 or object\$1) same<br>(characteristic\$1 or<br>color\$1 or size or<br>metadata) | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>16:52 |          |
| 87 | IS&R | L87 | 629  | (382/305).CCLS.  | USPAT                  | 2006/11/15<br>16:52 |          |
| 88 | BRS  | L88 | 3553 | (object\$1 near3 (similar\$5<br>or match\$3) near10<br>(characteristic\$1 or<br>shape\$1 or color\$1))   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>16:54 |          |
| 89 | BRS  | L89 | 969  | 88 same image\$1   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>16:55 |          |
| 90 | BRS  | L90 | 133  | 88 same (image\$1 near2<br>(similarit\$3 or match\$3))   | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>16:55 |          |
| 91 | BRS  | L91 | 5    | 87 and 90  | US-<br>PGPUB;<br>USPAT | 2006/11/15<br>17:07 |          |
| 92 | BRS  | L92 | 0    | (judg\$6 near5 similarit\$3)<br>same between same images<br>same dataset   | USPAT;<br>EPO;<br>JPO  | 2006/11/15<br>17:08 |          |
| 93 | BRS  | L93 | 1    | similarit\$3 near10 (between<br>near4 images) same metadata  | USPAT;<br>EPO;<br>JPO  | 2006/11/15<br>17:16 |          |

|    | Type | L # | Hits | Search Text  | DBs   | Time Stamp          | Comments |
|----|------|-----|------|--|-------|---------------------|----------|
| 94 | BRS  | L95 | 8    | similarit\$3 same value\$1<br>same (metadata or color\$1<br>or characteristic or<br>size\$1) same image\$1 same<br>name\$1 | USPAT | 2006/11/15<br>17:18 |          |


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## » Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Automatic model-based semantic object extraction algorithm**  
Jianping Fan; Xingquan Zhu; Lide Wu;  
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Volume 11, Issue 10, Oct. 2001 Page(s):1073 - 1084  
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- ☐ 3. **Affine-similar shape retrieval: application to multiview 3-D object recogni**  
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- ☐ 4. **Image model based on salient regions and its applications**  
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- ☐ 5. **Improved semantic region labeling based on scene context**  
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